



DT20 Rec'd PCT/PTO 31 DEC 2002

PATENT APPLICATION

Receipt  
PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Markku RÄSÄNEN et al

Conf. No.: 7640

Appln. No.: 09/647,458

Group Art Unit: 2877

Filed: September 29, 2000

Examiner: Smith, Z.

For: METHOD AND APPARATUS FOR ANALYSIS  
OF GAS COMPOSITIONS

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APR - 1 2003  
TECHNOLOGY CENTER 2800

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, D.C. 20231

Sir:

We enclose the Official Filing Receipt for the above-identified application and request the following correction:

"This application is a 371 of PCT/FI99/00288 09/29/2000"  
should be

--This application is a 371 of PCT/FI99/00288 **04/06/1999**--.

Verification for the requested correction is indicated on the original Declaration and Power of Attorney filed December 6, 2000 (a copy of which, along with the date-stamped mailroom receipt therefor, is attached).

Respectfully submitted,

  
Gordon Kit

Registration No. 44,765

SUGHRUE MION, PLLC

2100 Pennsylvania Avenue, N.W.  
Facsimile: (202) 293-7860

WASHINGTON OFFICE



23373

PATENT TRADEMARK OFFICE

Date: December 31, 2002



Commissioner for Patents  
Washington, DC 20231  
www.uspto.gov

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|-----------------|----------|------------|------------|
| 09/647,458         | 12/06/2000  | 2877         | 1215          | Q-61067         | 2        | 30         | 3          |

CONFIRMATION NO. 7640

## REPLACEMENT FILING RECEIPT



\*OC00000009278048\*

Sughrue Mion Zinn  
Macpeak & Seas  
2100 Pennsylvania Avenue NW  
Washington, DC 20037-3213

Date Mailed: 12/20/2002

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Markku Rasanen, Helsinki, FINLAND;  
Leonid Khriachtchev, Helsinki, FINLAND;  
Mika Petterson, Vantaa, FINLAND;

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/FI99/00288-09/29/2000

## Foreign Applications

FINLAND 980781 04/03/1998

If Required, Foreign Filing License Granted: 12/20/2000

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

## Title

Method and apparatus for analysis of gas compositions

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04/06/1999

Preliminary Class

356

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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ATTN: APPLICATION BRANCH

PLEASE DATE STAMP AND RETURN TO US - BOX 235X

In re Application of:

MARKKU RÄSÄNEN et al

Appln. No. 09/647,458

Filed: September 29, 2000

For: METHOD AND APPARATUS FOR ANALYSIS OF  
GAS COMPOSITIONS



Group Art Unit: 0000

Examiner: Unknown

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- PAPERS ENTITLED:
- (1) NOTIFICATION OF MISSING REQUIREMENTS  
UNDER 35 U.S.C. § 371 IN THE UNITED  
STATES DESIGNATED/ELECTED OFFICE;
  - (2) RESPONSE TO NOTIFICATION OF  
MISSING PARTS  
(accompanied by the executed  
Declaration and Power of Attorney,  
Small Entity Status Declaration,  
International Preliminary Examination  
Report and late filing fee in the  
amount of \$65.00); ✓ # 163893
  - (3) FORM PTO-1595  
(accompanied by an executed  
Assignment and check no. 163894  
in the amount of \$40.00);
  - (4) INFORMATION DISCLOSURE STATEMENT;
  - (5) FORM PTO-1449  
(accompanied by 4 references and  
an International Search Report); and
  - (6) REQUEST FOR REFUND  
(accompanied by the Monthly  
Statement of Account and a copy  
of the Small Entity Status  
Declaration).

SUGHRUE, MION, ZINN,  
MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Washington, D.C. 20037-3202  
(202) 293-7060  
Date: December 6, 2000

DOCKET NO.: Q-61067  
ATTORNEY: GK/vf

**DECLARATION AND POWER OF ATTORNEY**

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

**METHOD AND APPARATUS FOR ANALYSIS OF GAS COMPOSITIONS**

which application is:

☐ the attached application  
(for original application)

☒ Application No. 09/647,458

filed September 29, 2000, and amended on

September 29, 2000

(for declaration not accompanying application)

that we have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that we acknowledge our duty to disclose information of which we are aware which is material to the patentability of this application under 37 C.F.R. § 1.56, that we hereby claim priority benefits under Title 35, United States Code §119, §172 or §365 of any provisional application or foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of any foreign application on which priority is claimed:

| Application Number | Country | Filing Date   | Priority Claimed |
|--------------------|---------|---------------|------------------|
| PCT/FI99/00288     | PCT     | April 6, 1999 | YES              |
| 980781             | Finland | April 3, 1998 | YES              |

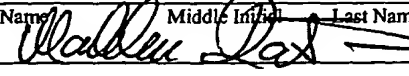
We hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge our duty to disclose any information material to the patentability of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Filing Date | Status |
|-----------------|-------------|--------|
|-----------------|-------------|--------|

We hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603 and George F. Lehnigk, Reg. No. 36,359, our attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to **SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC**, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date 24.10.2000 October 24, 2000 First Inventor Markku RÄSÄNEN

| Residence | City     | State/Country | Signature  | First Name | Middle Initial | Last Name |
|-----------|----------|---------------|--|------------|----------------|-----------|
|           | Helsinki | FINLAND       |  | Markku     |                | RÄSÄNEN   |

Post Office Address: Mielikintie 10  
FIN-00750 Helsinki, FINLAND

Citizenship FINNISH

Date 24.10.2000 <sup>October 24,</sup> 2000 Second Inventor Leonid KHRIACHTCHEV  
First Name Middle Initial Last Name  
Residence Helsinki FINLAND Signature LKhriachtchev  
City State/Country  
Post Office Address: Näyttelijäntie 15 D 132  
FIN-00400 Helsinki, FINLAND  
Citizenship RUSSIAN

Date 01.11.2000 November 1, 2000 Third Inventor Mika PETTERSON  
First Name Middle Initial Last Name  
Residence Vantaa FINLAND Signature Mika Petter  
City State/Country  
Post Office Address: Markkulantie 24 D 15  
FIN-01380 Vantaa, FINLAND  
Citizenship FINNISH

Date \_\_\_\_\_ Fourth Inventor \_\_\_\_\_  
First Name Middle Initial Last Name  
Residence \_\_\_\_\_ Signature \_\_\_\_\_  
City State/Country  
Post Office Address: \_\_\_\_\_  
\_\_\_\_\_  
Citizenship \_\_\_\_\_

Date \_\_\_\_\_ Fifth Inventor \_\_\_\_\_  
First Name Middle Initial Last Name  
Residence \_\_\_\_\_ Signature \_\_\_\_\_  
City State/Country  
Post Office Address: \_\_\_\_\_  
\_\_\_\_\_  
Citizenship \_\_\_\_\_

Date \_\_\_\_\_ Sixth Inventor \_\_\_\_\_  
First Name Middle Initial Last Name  
Residence \_\_\_\_\_ Signature \_\_\_\_\_  
City State/Country  
Post Office Address: \_\_\_\_\_  
\_\_\_\_\_  
Citizenship \_\_\_\_\_